




<i>NOTE: Indented items indicate parts included in an assembly listed above</i>		
Part Name/Description	Part Number	Quantity
CAN Repeater Module Kit	4101290	1
Hex Head Bolt – 5/16" x 2-1/2"	2002001-31250	2
Flat Washer – 5/16"	2002071-31	2
Module – CAN Repeater	4004297	1
Cable – CAN Repeater Module	4004310-008	1
Mounting Bar – Small Module	4004347	1

Important Notices

Please carefully follow these step-by-step instructions. If you have questions, contact *Ag Leader Technology* at 515-232-5363 x 1.

Signal words (**DANGER**, **WARNING**, **CAUTION** and *NOTE*) are provided to draw attention to information that is important for the safe/correct installation and operation of this product.

-  **DANGER** – Indicates an imminently hazardous situation that, if not avoided, is likely to result in serious injury or even death.
-  **WARNING** – Indicates a potentially hazardous situation that, if not avoided, could result in serious injury or even death.
-  **CAUTION** – Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury.
- **CAUTION** – Indicates practices that may result in property damage, but do not involve personal injury.
- **NOTE** – The preferred signal word to address practices not involving property damage, or personal injury.

Preliminary Installation Requirements



- **Implement must be lowered to ground or resting on hydraulic safety stops before beginning installation. Do not rely on hydraulic system alone to support implement. Hydraulics can fail – resulting in serious injury or death.**
- **Refer to the installation instructions for the Control Module System**
- **Read these instructions completely before beginning installation. It may help to clarify any questions that arise about the installation.**
- **A CAN Repeater Module is required to break a CAN BUS into smaller segments to maintain data signal quality.**

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LA-01029 - CAN REPEATER MODULE

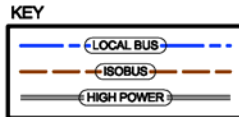
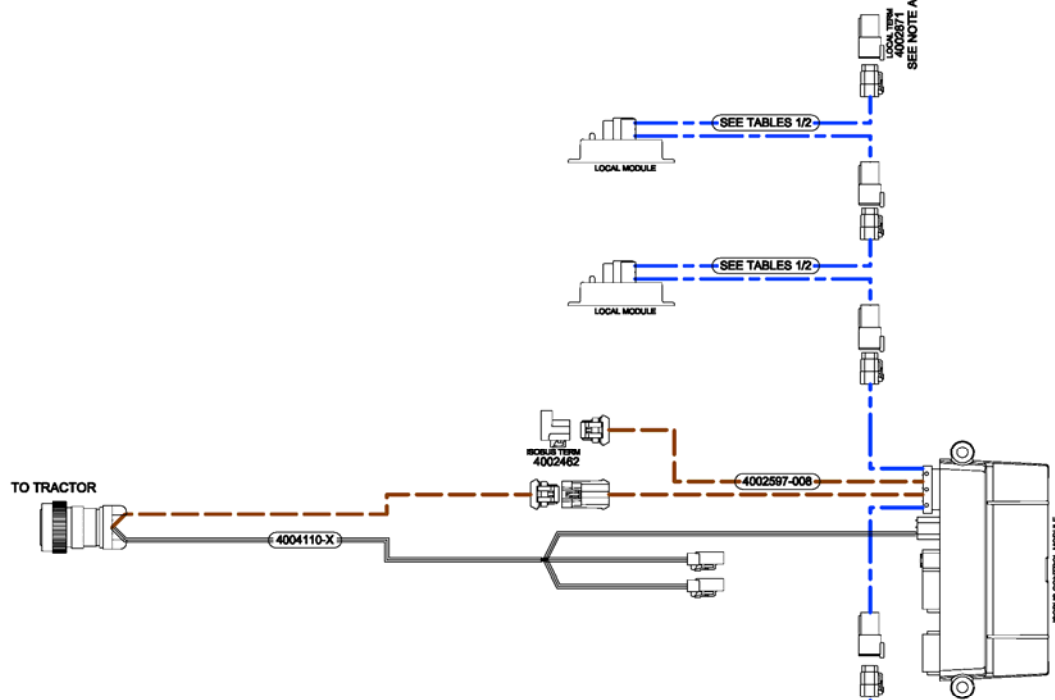


TABLE 1: LOCAL MODULE (12 PIN) BREAKOUTS

DESCRIPTION	P/N	NOTE
LOCAL TYPE 1 - 8"	4002596-008	SEE NOTE E
LOCAL TYPE 2 - 8"	4002805-008	SEE NOTE E
LOCAL TYPE 1 - 44"	4003075-4	SEE NOTE D
LOCAL TYPE 2 - 44"	4003076-4	SEE NOTE D
STANDARD ROW	4004311-4	SEE NOTE C
INTERPLANT ROW	4004312-4	SEE NOTE C

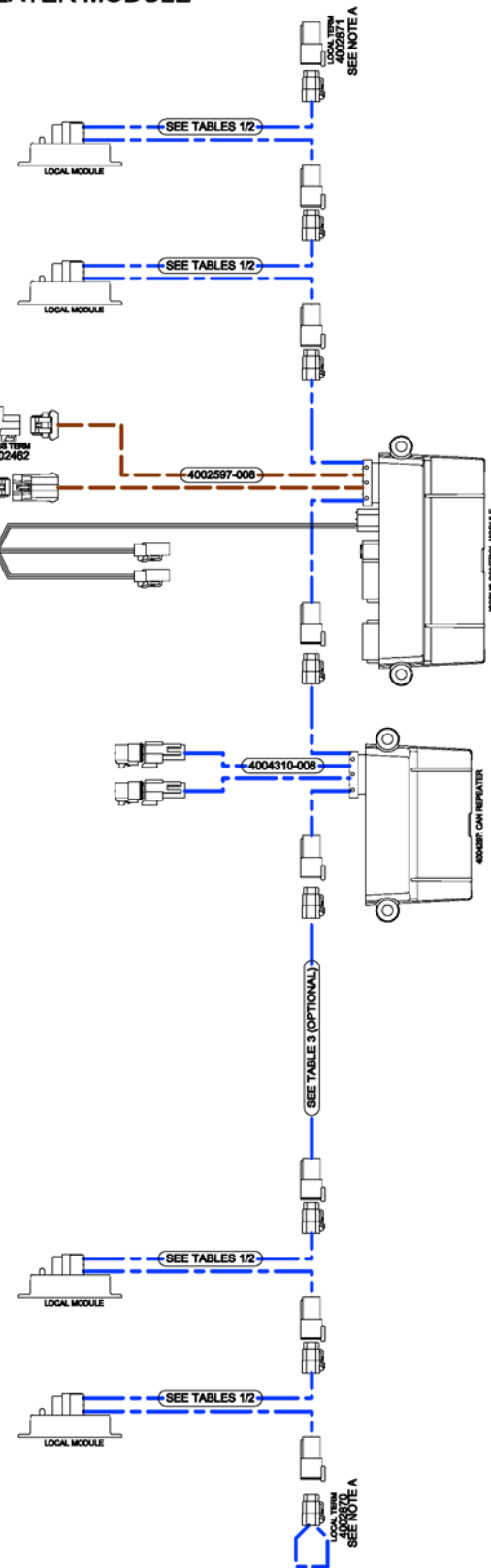
TABLE 2: LOCAL MODULE (24 PIN) BREAKOUTS

DESCRIPTION	P/N	NOTE
LOCAL ONLY - TYPE 1	4002567-008	SEE NOTE E
LOCAL ONLY - TYPE 2	4002568-008	SEE NOTE E
ISOBUS - TYPE 1	4002597-008	SEE NOTE E
ISOBUS - TYPE 2	4002804-008	SEE NOTE E

TABLE 3: LOCAL CAN BUS EXTENSIONS

LENGTH	P/N
3 FT	4002807-3
6 FT	4002807-6
9 FT	4002807-9
12 FT	4002807-12
15 FT	4002807-15
18 FT	4002807-18
30 FT	4002807-30
48 FT	4002807-48

- NOTE A: INSTALL LOCAL CAN BUS AND TERMINATORS AS DESCRIBED WITH CONTROL MODULE DOCUMENTATION
- NOTE B: CONTROL MODULE MAY BE PLACED ANYWHERE IN SERIES ON THE LOCAL CAN BUS
- NOTE C: CAN REPEATER MODULE(S) SHOULD BE INSTALLED TO BREAK LOCAL CAN BUS INTO APPROXIMATELY EQUAL LENGTH SEGMENTS
- NOTE D: 12-PIN BREAKOUTS 4004311-4 AND 4004312-4 WILL REACH ADJACENT ROWS ON A PLANTER WITH 30" SPACING OR LESS
- NOTE E: 12-PIN BREAKOUTS 4003075-4 AND 4003076-4 HAVE A 4" TEE AND 44" DROP FROM THE MAIN CAN BUS LINE
- NOTE F: ALL OTHER BREAKOUTS HAVE AN 8" LINE ON EACH SIDE OF THE MODULE CONNECTION.
- NOTE G: SEE TABLE 4 FOR OPTIONAL CABLE EXTENSIONS
- NOTE H: AG LEADER ISOBUS IMPLEMENT CABLE SHOWN, IF IMPLEMENT HAS EXISTING ISOBUS MODULES, ADAPTERS MAY BE REQUIRED
- NOTE I: MODULES MAY APPEAR DIFFERENT THAN SHOWN



REV A: 11-24-14

1. The CAN Repeater module should be installed in a location that breaks the Local CAN Bus into approximately equal lengths. The following steps assume the CAN Repeater Module will be installed next to a control module.
2. Install the main Control Module and CAN Bus as described in the installation instructions provided with module or platform kit.
3. If necessary, remove the nuts and bolts securing the control module, place the mounting bar PN 4004347 on top of the control module and re-install hardware.
4. Position the CAN Repeater Module on top of the mounting bar, and attach with the 5/16" hardware provided in the CAN Repeater Module Kit, See figure 1

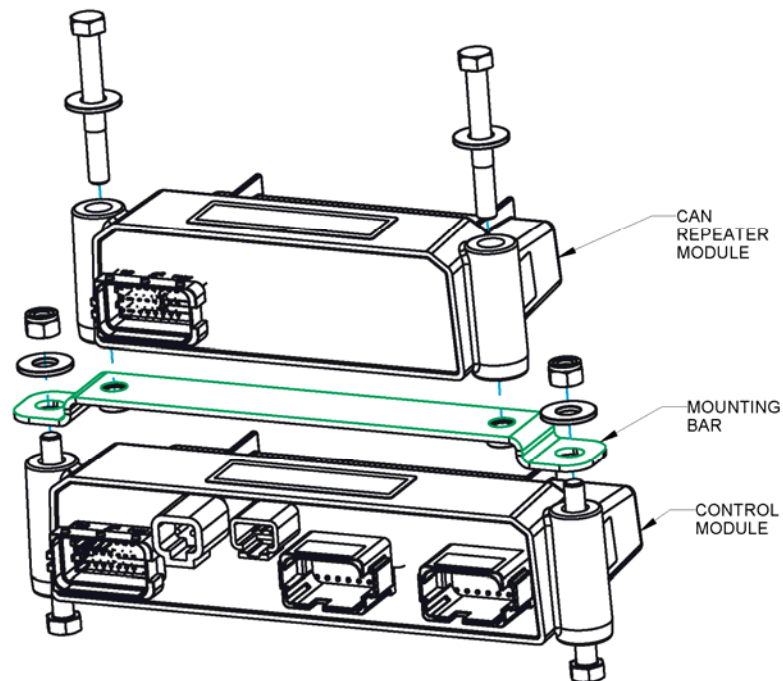


Figure 1: CAN Repeater Installation

5. Connect the 24 pin connector on the CAN Repeater Module cable, PN 4004310-008, into the connection on the CAN Repeater Module.
6. Locate and disconnect one of the two 6-pin Deutsch connections on the CAN Breakout cable connected to the control module. It does not matter which connection is used.
7. Connect the 6-pin plug and receptacle on the CAN Repeater Module cable into the mating plug and receptacle disconnected in the previous step. See system line art on page 3 and Figure 2.

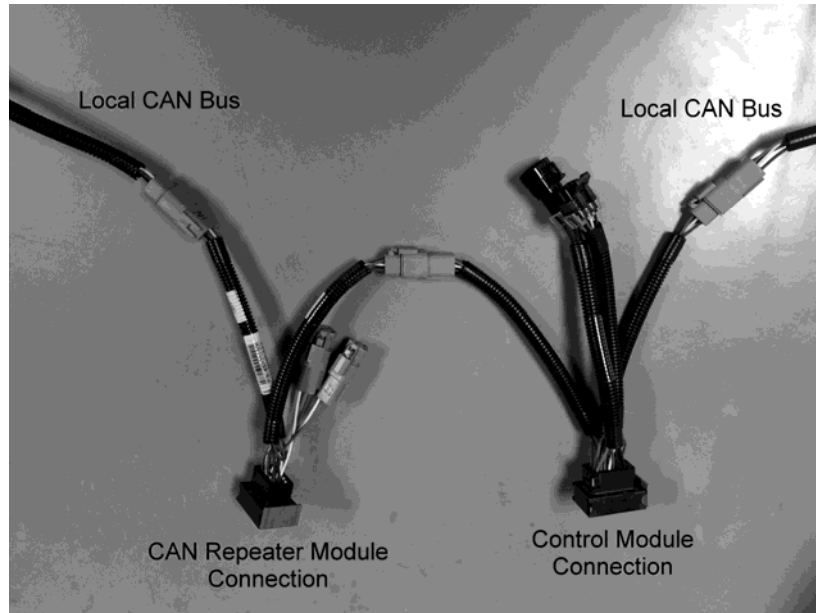


Figure 2: Cable Connections

- 8. The 3-pin plugs must remain installed on the CAN Repeater Module to terminate the CAN Busses on both sides of the CAN Repeater Module.
- 9. If the CAN Repeater is not installed next to a control module, it may be installed in the system by connecting the CAN Repeater module cable in-line at any point along the Local CAN Bus.

Revision History			
Date	Revision	Initials	Changes
Dec 2014	A	JAB	- Initial release